Index of Claims

| Ann | lication | /Control | No | |
|-----|----------|------------|------|---|
| App | ncanon | /C01111101 | 110. | • |

10/713,938

Examiner

Jason L. Savage

Applicant(s)/Patent under Reexamination

RIGNEY ET AL.

Art Unit

1775

Rejected Allowed

(Through numeral) Cancelled

÷

Restricted

| N | Non-Elected |
|---|--------------|
| 1 | Interference |

| A | Appeal |
|---|----------|
| 0 | Objected |

| | | — | | | | | | | لــــا | |
|--|--|--|---------------|------------|------------|--------------|--------------|----------|----------|--|
| <u> </u> | | | | | | | | | | |
| Cla | | Date | | | | | | | | |
| _ | Original | 9 | မှ | 7 | ۲, | | | | | |
| Final | ië | 6/12/06 | 9/18/06 | 2/16/07 | 9/16/07 | 1/4/08 | | | | |
| ᇤ | ij | 17 | ١ | 7 | 1 | = | | | | |
| | ٦ | ٦ | | | 0, | | | | | |
| | 1 | + | 1 | 1 | V | = | | | | |
| | 1 2 3 4 | B | Δ | 20 | 4 | = | | | - | П |
| _ | - 2 | 1 | # | 17 | #- | = | | | _ | Н |
| | ا | H | ╫╴ | ╂ | ₩- | H | _ | - | | \vdash |
| | 4 | Н- | H | ₩ | ╙ | <u> </u> | \vdash | _ | - | \dashv |
| | <u> </u> | 1 | ╀ | H - | H - | ├- | _ | | | |
| | 6 7 | Щ | Ц. | 1 | 1 | Ξ | | | | |
| | 7_ | Ш | Ц | L | | = | | | | Ш |
| | 8 | Ш | | \prod | 1 | = | | | | |
| | 9 | Π | П | П | | = | | | | |
| | 10 | П | П | П | Π | = | | | | П |
| | 11 | 1 | П | \sqcap | H | = | П | | Г | \square |
| | 12 | ╫ | | مل | 1 | ╘ | \vdash | Н | \vdash | H |
| | 12 | + | 19 | \$V | 7 | Ē | | \vdash | \vdash | H |
| <u> </u> | 13 | 1 | l v | | ⊢ <u>`</u> | ļ <u> </u> | \vdash | \vdash | - | \vdash |
| <u> </u> | 14 | $oldsymbol{+}$ | N | N | \vdash | <u> </u> | | \vdash | \vdash | \vdash |
| <u> </u> | 15 | Ц | 4 | X | <u> </u> | $oxed{oxed}$ | <u> </u> | | <u> </u> | Ш |
| L | 16 | Ш | Ц | \coprod | L | <u> </u> | | <u> </u> | <u>_</u> | Ш |
| | 17 | \Box | Ш | Щ | | | <u> </u> | L_ | L | Ш |
| | 18 | П | П | П | | | | | | |
| | 19 | П | П | П | Τ | 1 | | | | П |
| | 20 | H | Ħ | H | \vdash | ├~ | _ | | - | Н |
| | 21 | H | Н | H | \vdash | ╁ | | \vdash | ╁ | \vdash |
| ┝ | 22 | Н | Н | ╫ | ╁ | ┢╾ | ┢ | \vdash | ⊢ | Н |
| <u> </u> | 22 | ₩ | H | H | ┼ | ├ | ┢ | \vdash | ⊢ | Н |
| | 23 | \sqcup | Н | Н | - | ┡ | ┡ | <u> </u> | <u> </u> | Н |
| | 24 | Ц | Ц | Ц | <u>Ļ</u> | <u> </u> | | L | <u> </u> | Н |
| | 25 | Ш | Ц | Ц | | | | | _ | Ш |
| | 26 | 4 | | 3 | | | | | | |
| | 27 | + | N | N | | | | | Г | П |
| | 28 | | _ | T | 1 | = | | | Г | П |
| <u> </u> | 29 | \vdash | \vdash | H | 1 | ╘ | | _ | - | \Box |
| - | 30 | | \vdash | ├- | j | 1= | \vdash | | \vdash | \vdash |
| - | 24 | ┢ | \vdash | - | + | ╀┈ | | ╌ | - | \vdash |
| - | 31 | - | ₩ | - | \vdash | +- | 1 | - | ⊢ | ⊣ |
| <u></u> | 32 | | ├ | ┞ | 1 | ╄- | | <u> </u> | ـــ | \sqcup |
| | 33 | L | <u> </u> | _ | 上 | L | _ | | <u> </u> | \sqcup |
| L | 34 | \perp | L. | <u> </u> | \perp | <u> </u> | $oxed{oxed}$ | | | Ш |
| | 35 | L | Ĺ | L | L | L | L | L | L | $oldsymbol{L}$ |
| | 36 | Γ | | | Γ | Γ | | | | |
| | 37 | 1 | T | | 1 | T | Τ | Π | Г | \sqcap |
| | 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 | Т | T | \vdash | 1 | 1 | Ė | | \vdash | П |
| | 39 | 1 | \vdash | \vdash | +- | + | H | +- | ┢╌ | ╀┤ |
| \vdash | | \vdash | - | \vdash | +- | + | + | ╁ | +- | \vdash |
| | 40 | + | ┼- | ┼ | +- | +- | + | ₩ | | ╁╌┤ |
| <u> </u> | 41 | ╄ | ـ | ↓_ | +- | +- | ₩ | ⊢ | | \vdash |
| L | 42 | \perp | ↓_ | 1_ | 1 | 1_ | ! | <u> </u> | <u> </u> | \sqcup |
| | 43 | | L | L | L | \perp | L | L | L | Ш |
| | 44 | L^{-} | L^{-} | L | L^{-} | | L^{-} | | | |
| | 45 | | | Π | | Г | Г | Γ | П | П |
| | 46 | 1 | 1 | T | 1 | | | | Т | \sqcap |
| - | 47 | T | \vdash | \vdash | † | T | \vdash | 1 | \vdash | \vdash |
| - | 48 | \vdash | \vdash | ╁╴ | ╁╴ | + | \vdash | - | \vdash | ┌┤ |
| | | ╀ | + | + | +- | ╁ | ₩ | - | +- | \vdash |
| — | 49 | ╀ | +- | + | +- | ₩ | ₩ | - | +- | \vdash |
| | 50 | 丄 | L | _ | 1_ | ⊥_ | | <u></u> | Ц. | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ |

| E E | Cla | im | _ | | | | Date | <u> </u> | | | |
|---|----------|------|----------------|--|--|--------------|--|--|--|--|----------|
| 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 99 | | | | | | | | | | | |
| 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | a | na | | | | | | | | | |
| 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | | ij | | | | | | | | | |
| 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | " | ō | | | | | | | | | |
| 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | | E 4 | _ | _ | - | _ | | _ | _ | \dashv | |
| 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | - | 51 | _ | | _ | H | | - | | \dashv | |
| 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | <u> </u> | 52 | | | ⊢ | | | _ | | - | |
| 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | | 53 | _ | | - | <u> </u> | | | | - | |
| 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | | 54 | | _ | ⊢ | <u> </u> | _ | - | | | |
| 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 99 | | 55 | _ | | ┡ | <u> </u> | _ | | | | |
| 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | | 56 | | _ | <u> </u> | _ | _ | _ | | | |
| 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | | 57 | | _ | _ | <u> </u> | ļ | | | | |
| 60 61 61 62 63 63 64 65 66 66 67 66 67 68 69 70 70 71 71 72 73 73 74 75 76 76 77 78 78 79 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 94 95 96 97 98 99 99 99 | | 58 | _ | | | <u> </u> | | | | | |
| 61 | <u></u> | 59 | | | | <u>L</u> | L | | | | |
| 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | | 60 | | | <u></u> | | | | | | |
| 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | L | 61 | | | <u>L</u> | | | | | | |
| 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | | 62 | | | L | | | | | | |
| 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | | 63 | | | | | | <u> </u> | | | |
| 65 66 67 68 69 70 71 72 73 74 75 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 99 99 | | 64 | | | Ĺ | Ĺ | | | | \Box | |
| 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | | 65 | | | | | | | | | |
| 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | | 66 | | | | \Box | L - | | | | |
| 68 69 70 70 71 71 72 73 74 75 75 76 76 77 78 78 79 80 81 82 83 84 85 86 87 88 89 99 90 91 91 92 92 93 93 94 95 96 97 98 99 99 99 99 99 99 99 99 99 99 99 99 | | 67 | | | | П | | | | | |
| 69 | | 68 | | | | | | | Γ | | |
| 70 | | 69 | | | T | Г | | | | | |
| 71 | | 70 | | | \top | | | | | | |
| 72 | | 71 | _ | Г | | T | Г | | | | \vdash |
| 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 94 95 96 97 98 | | 72 | \vdash | \vdash | † | | Г | 1 | | | Г |
| 74 | | 73 | _ | | t | | | 1 | | | _ |
| 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 94 95 96 97 98 | | 74 | \vdash | - | 1 | 一 | ┢ | ┢ | | İ | \vdash |
| 76 | | 75 | \vdash | ┢ | \vdash | \vdash | ┢ | | | \vdash | ┢ |
| 78 79 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 93 94 95 96 97 | | 76 | \vdash | \vdash | | - | \vdash | \vdash | ┢ | | |
| 78 79 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 93 94 95 96 97 | | 77 | \vdash | \vdash | 1 | \vdash | \vdash | ┢ | | \vdash | |
| 79 80 81 81 82 83 84 85 86 87 88 89 90 91 91 92 93 94 95 96 97 98 | - | 78 | \vdash | ╁ | ╁╌ | 1 | \vdash | \vdash | | \vdash | |
| 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 94 95 96 97 98 | - | 70 | ┢ | \vdash | ╁ | ╁╌ | ╁ | ┢ | \vdash | ┢ | |
| 81 82 83 84 85 86 87 88 89 90 91 92 93 93 94 95 96 97 98 | | 80 | \vdash | \vdash | ╁ | - | H | H | - | | |
| 82 83 84 85 86 87 88 89 90 91 92 93 93 94 95 96 97 98 | \vdash | | ┢ | | ╁ | - | | - | ╁ | \vdash | |
| 84 85 86 87 88 89 90 91 92 93 93 94 95 96 97 98 | - | 92 | - | - | \vdash | \vdash | ├─ | ⊢ | | ┢ | - |
| 84 85 86 87 88 89 90 91 92 93 93 94 95 96 97 98 | - | 02 | ╁ | ├ | ╁ | | - | ╌ | ┢ | \vdash | - |
| 85 86 87 88 89 90 91 92 93 94 95 96 97 98 | - | 03 | ├ | ╀ | \vdash | ┼ | + | \vdash | \vdash | - | \vdash |
| 86 87 88 89 90 90 91 92 93 94 95 96 97 98 99 99 | - | 05 | ├ | + | + | \vdash | ┼ | ╁─ | \vdash | \vdash | - |
| 87 88 89 90 91 92 93 94 95 96 97 98 | <u> </u> | 00 | - | \vdash | + | +- | | \vdash | \vdash | ├ | \vdash |
| 89 90 91 92 93 94 95 96 97 98 99 99 | <u> </u> | 00 | \vdash | ╀ | + | 1- | - | \vdash | \vdash | \vdash | \vdash |
| 89 90 91 92 93 94 95 96 97 98 99 99 | - | 0/ | \vdash | ╀ | + | \vdash | - | \vdash | ⊢ | \vdash | ├- |
| 90 91 92 93 94 95 96 97 98 99 | - | 1 88 | \vdash | ⊢ | + | 1 | - | - | \vdash | \vdash | |
| 91 92 93 94 95 96 97 98 99 | | | \vdash | - | ╀ | 1 | | - | ┢ | \vdash | ├- |
| 92 93 94 95 96 97 98 99 | <u> </u> | | — | | \vdash | +- | \vdash | \vdash | <u> </u> | ├ ─ | \vdash |
| 93 94 95 96 97 98 99 | <u></u> | 91 | ┞ | ┡ | 4 | ├ | \vdash | \vdash | \vdash | | \vdash |
| 94 95 96 97 98 99 | - | | | 1 | ₩ | - | ⊢ | \vdash | — | \vdash | \vdash |
| 95 96 97 98 99 | | | ┞ | | <u> </u> | \vdash | ┞- | ⊢ | ⊬ | ⊢ | ├- |
| 96 97 98 99 | <u> </u> | | ┞- | ـــــ | | ↓_ | \vdash | ╙ | ┞ | — | <u> </u> |
| 97 98 99 | | | 1_ | 1_ | _ | ┞- | ــــــــــــــــــــــــــــــــــــــ | ╙ | ↓ _ | — | <u> </u> |
| 98 99 | | | 1_ | <u> </u> | 丄 | <u> </u> | <u> </u> | _ | _ | <u> </u> | <u> </u> |
| 99 | | | $oxed{oxed}$ | <u> </u> | 1_ | 1_ | ــــــــــــــــــــــــــــــــــــــ | <u> </u> | _ | _ | 乚 |
| | | | L | | | | L | L | <u>L</u> | _ | _ |
| 100 | | | | | | <u> </u> | | \perp | _ | | <u> </u> |
| | | 100 | L | | | | | 1_ | L | \perp | L |

| | | D-1- | | | | | | | | | |
|--|--|-----------|----------|--------------|-------------|--|--|--|--------------|--------------|--|
| _Cla | aim | Date | | | | | | | | | |
| Final | Original | | | | | | | | | | |
| | 101 102 | | | | | | | | | \Box | |
| | 102 | | | | | | | | | | |
| | 103 | | _ | | | | | | | | |
| | 103 104 105 | | | | | | _ | | | \dashv | |
| | 105 | | | | | H | | | \dashv | - | |
| | 107 | Н | | | | | - | | | - | |
| | 106 107 108 | Н | | _ | | | | | | | |
| | 109 | | _ | | | | | | | | |
| | 110 | | | | | | | | | | |
| | 109 110 111 112 113 114 115 | | | | | | | | | | |
| | 112 | Ш | | | | _ | | | | | |
| | 113 | _ | | | _ | | H | | _ | \vdash | |
| | 114 | \vdash | _ | | | - | H | _ | | Н | |
| | 116 | \vdash | - | - | _ | ┝ | H | _ | | Н | |
| | 117 | - | | - | | | _ | | | Н | |
| | 116 117 118 119 | | | Н | _ | | | | | П | |
| | 119 | | | | | | | | | | |
| | 120 | | | | | | | | | | |
| | 121 | | | L | _ | _ | | | _ | | |
| | 122 | L | <u> </u> | _ | _ | _ | _ | | <u> </u> | Ш | |
| | 123 | _ | _ | | <u> </u> | | _ | | <u> </u> | | |
| | 124 | ├ | ⊢ | | ┡ | - | - | - | | | |
| | 120 121 122 123 124 125 126 127 | - | _ | | ├─ | ┢ | | | | - | |
| - | 127 | ┢ | - | - | | ┢ | - | | | | |
| | 128 | - | | _ | | Т | Г | | _ | П | |
| | 129 | | | | | | | | | | |
| | 128 129 130 | | | | | | | | | | |
| | 131 132 133 | | <u> </u> | | L | L | _ | _ | | | |
| | 132 | | <u> </u> | _ | <u> </u> | | _ | L. | <u> </u> | | |
| | 133 | - | | _ | _ | ├- | | - | _ | H | |
| | 134 135 | \vdash | - | - | \vdash | +- | \vdash | \vdash | - | | |
| | 136 | \vdash | \vdash | \vdash | - | ┢ | \vdash | \vdash | - | \vdash | |
| | 137 | \vdash | | \vdash | | 1 | \vdash | | T | t | |
| | 138 | T | | T | | 1 | | | | | |
| | 139 | | | | | | | | | | |
| | 140 | <u> </u> | | | | | | | | 匚 | |
| | 141 | <u> </u> | _ | $oxed{oxed}$ | _ | <u> </u> | 1_ | <u> </u> | <u> </u> | _ | |
| <u> </u> | 142 | _ | <u> </u> | <u> </u> | \vdash | ļ_ | ₩ | _ | <u> </u> | ├ | |
| <u> </u> | 143 | \vdash | <u> </u> | - | - | - | ├- | - | \vdash | \vdash | |
| <u> </u> | 144 | \vdash | \vdash | ├ | - | +- | ╁ | ┝ | \vdash | +- | |
| - | 145 146 | +- | \vdash | \vdash | \vdash | ╁╴ | \vdash | - | \vdash | \vdash | |
| | 147 | 1 | Η | \vdash | ┢ | 1 | T | T | \vdash | T | |
| | 148 | 1 - | \vdash | | \vdash | \vdash | | Τ | Τ | T | |
| | 149 | | Γ | | | | | | | | |
| | 150 | Ī., | | | | | | | | | |